

## Claims

- [c1] 1. A light-channeling apparatus for a scanning module having a light source and a body casing, wherein the body casing has a light passage slit, the light-channeling apparatus comprising:  
a first light-guiding tube attached to the body casing, wherein the first light-guiding tube is positioned between the light source and a document; and  
a second light-guiding tube attached to the body casing, wherein the second light-guiding tube is positioned between the document and the light passage slit.
- [c2] 2. The light-channeling apparatus of claim 1, wherein the interior sidewalls of the first light-guiding tube has have a reflective coating.
- [c3] 3. The light-channeling apparatus of claim 1, wherein the interior sidewalls of the second light-guiding tube has have a reflective coating.
- [c4] 4. The light-channeling apparatus of claim 1, wherein the apparatus further includes a light-guiding body inside the first light-guiding tube.
- [c5] 5. The light-channeling apparatus of claim 1, wherein the apparatus further includes a light-guiding body inside the second light-guiding tube.
- [c6] 6. The light-channeling apparatus of claim 1, wherein the first light-guiding tube has a hollow interior.
- [c7] 7. The light-channeling apparatus of claim 1, wherein the second light-guiding tube has a hollow interior.
- [c8] 8. The light-channeling apparatus of claim 1, wherein the apparatus further includes a collimating lens inside the first light-guiding tube.
- [c9] 9. The light-channeling apparatus of claim 1, wherein the document end of the first light-guiding tube and the document end of the second light-guiding tube are fused together.
- [c10] 10. The light-channeling apparatus of claim 1, wherein the first light-guiding tube and the scanning module are fabricated together as an integrative unit.

- [c11] 11. The light-channeling apparatus of claim 1, wherein the second light-guiding tube and the scanning module are fabricated together as an integrative unit.
- [c12] 12. A scanning module for scanning a document, comprising:  
a body casing having a light passage slit thereon;  
a light source attached to the body casing;  
a plurality of reflecting mirrors inside the body casing;  
a lens inside the body casing;  
a light-sensing device inside the body casing; and  
a light-channeling apparatus joined to the body casing, wherein the light-channeling apparatus includes a first light-guiding tube and a second light-guiding tube such that the first light-guiding tube is positioned between the light source and the document and the second light-guiding tube is positioned between the document and the light passage slit.
- [c13] 13. The scanning module of claim 12, wherein the interior sidewalls of the first light-guiding tube has have a reflective coating.
- [c14] 14. The scanning module of claim 12, wherein the interior sidewalls of the second light-guiding tube has have a reflective coating.
- [c15] 15. The scanning module of claim 12, wherein the module further includes a light-guiding body inside the first light-guiding tube.
- [c16] 16. The scanning module of claim 12, wherein the module further includes a light-guiding body inside the second light-guiding tube.
- [c17] 17. The scanning module of claim 12, wherein the first light-guiding tube has a hollow interior.
- [c18] 18. The scanning module of claim 12, wherein the second light-guiding tube has a hollow interior.
- [c19] 19. The scanning module of claim 12, wherein the module further includes a collimating lens inside the first light-guiding tube.

- [c20] 20. The scanning module of claim 12, wherein the document end of the first light-guiding tube and the document end of the second light-guiding tube are fused together.
- [c21] 21. The scanning module of claim 12, wherein the first light-guiding tube and the body casing are fabricated together as an integrative unit.
- [c22] 22. The scanning module of claim 12, wherein the second light-guiding tube and the body casing are fabricated together as an integrative unit.